



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

AUTHORITY TO CONSTRUCT

B015337

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

EXPIRES LAST DAY OF: MAY 2027

OWNER OF OPERATOR (Co. #1398)

BJ Rees's Enterprises
1045 S. Hoytsville Road
Coalville, UT 84017

EQUIPMENT LOCATION (Fac. #4588)

BJ Rees's Enterprises - Hodge Rd.
23700 Hodge Road
Barstow, CA 92311

Description:

DIESEL IC ENGINE, PORTABLE GENERATOR consisting of: Year of Mfg. 2008, EPA Tier 2, Engine Family 8CPXL32.0ESW with CleanAIR Systems, Inc. Model PERMIT diesel particulate trap CARB Executive Order DE-05-002-03.

One CAT, Diesel fired internal combustion engine Model No. C32 and Serial No. SY03981, Four-Stroke Rich Burn, Diesel Particulate Filter, Turbo Charged, producing 1502 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 58.3 gal/hr. This equipment powers a CAT Generator Model No. C32 and Serial No. TBD, rated at 1000 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	1.19	gm/bhp-hr
NOx	3.82	gm/bhp-hr
PM10	0.02	gm/bhp-hr
PM2.5	0.02	gm/bhp-hr
SOx	0.00	gm/bhp-hr
VOC	0.20	gm/bhp-hr

CONDITIONS:

Fee Schedule: 1 (d)

Rating: 1502 bhp

SIC: 1442

SCC: 20100102

Location/UTM(Km):
487E/3844N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

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By: **COPY**
Brad Poiriez
Executive Director

1. This certified Tier 2 diesel fired internal combustion engine equipped with certified diesel particulate filter shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.

[District Rule 204 and 1302]

2. This unit shall only be fired on ultra-low sulfur diesel fuel whose sulfur concentration is less than or equal to 0.0015% (15 ppm) per CARB Diesel or equivalent requirements; or alternative diesel fuel or CARB diesel fuel utilizing fuel additives that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines.

[Title 17 CCR 93116.3(a)]

3. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.

[Title 17 CCR 93116.4(c)(2)(A)]

4. Operation of this engine shall not exceed 3100 hours/year.

[District Rule 1303 - Offsets]

5. This engine shall not be operated unless the CleanAIR Systems, Inc. PERMIT diesel particulate filter is properly functioning. Furthermore, no changes shall be made to the diesel particulate filter unless done so by a factory certified technician.

[District Rule 1320]

6. The owner/operator shall maintain an operations log for this unit, current and on-site (or at a central location), for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

- a. Date, location, and duration of each use (in hours);
- b. Monthly and consecutive 12 month period hour meter readings, including the dates of all monthly readings;
- c. Date of each maintenance action or repair performed on the engine or on the diesel particulate filter;
- d. Description of each maintenance action or repair performed on the engine or on the diesel particulate filter; and
- e. Fuel sulfur concentration as required by condition #2 (you may use the supplier's certification of sulfur content if it is maintained as part of this log).

[District Regulation XIII - NSR]

7. This equipment shall not operate within 500 meters of any receptor. Such operation will require the submittal of an application for a revised permit to operate and may require a Health Risk Assessment.

[District Rule 1320]

8. This unit shall not operate within a 1000 feet of the outer boundary of any K-12 school. Such operation will require the submittal of an application for a revised permit to operate so that the applicable requirements of the California Health and Safety Code Section 42301.6 will be met.

[H&S Code 42301.6; District Rule 1302(C)(2)(a)]

9. This engine and its associated equipment cannot be operated at the same location for more than 365 consecutive days. This equipment must be moved for a valid business purpose annually.

[District Rules 1302, 1303, and 1320 and Title 17 CCR 93116.2(a)(29)]

10. The owner/operator shall notify the District at least ten (10) days prior to operation of this equipment within the District. Notification must be sent electronically to engineering@mdaqmd.ca.gov. The notification must include:

- a. The permit number.
- b. The location/address where the equipment will be operated and description of the project.
- c. The contact information of the owner/operator of the equipment.

[District Rule 204]

11. This engine is subject to the requirements of Title 17 CCR 93116, the Airborne Toxic Control Measure (ATCM) for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater. In the event of a conflict between these conditions and the ATCM, the more stringent requirements shall govern.

[District Rule 1302; Title 17 CCR 93116]

12. Emissions from the entire facility shall not exceed the following limits:

- a. Oxides of Nitrogen (NOx): 24.9 tons per consecutive twelve month period, measured as NO₂;
- b. Oxides of Sulfur (SOx): 24.9 tons per consecutive twelve month period;
- c. Volatile Organic Compounds (VOC): 24.9 tons per consecutive twelve month period;
- d. Carbon Monoxide (CO): 95 tons per consecutive twelve month period;
- e. Particulate Matter 10 microns and less (PM₁₀): 14.9 tons per consecutive twelve month period;
- f. Any single Hazardous Air Pollutant (HAP): 9.9 tons per consecutive twelve month period; and
- g. All HAPs combined: 24.9 tons per consecutive twelve month period.

Compliance shall be demonstrated to the District through the submission of a District approved Comprehensive Emission Inventory Report (CEI) or other equivalent and District approved method.

[District Rules 1302 and 1320]

13. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.

[District Rule 107(b), Health & Safety Code 39607 & 44341-44342, 17 CCR 93400 et seq., and 40 CFR 51, Subpart A]